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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,738	11/26/2003	Yong Hee Kim	K-0582	3953

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EXAMINER

BUI, THACH H

ART UNIT PAPER NUMBER

3752

DATE MAILED: 09/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/721,738	Applicant(s) KIM, YONG HEE	
	Examiner Thach H Bui	Art Unit 3752	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claims 1-9 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The claims are replete with informalities too numerous to mention specifically. The following noted informalities are merely exemplary thereof. The claims should be revised to conform to U.S. Patent Office practice.

Claim 1 is vague and indefinite because "an auxiliary nozzle, having a second coupling hole" renders the claim unclear. There is no clear teaching in the Specification of "an auxiliary nozzle, having a second coupling hole".

Claim 1 is vague and indefinite because "the first coupling hole" recited in lines 5-6, renders the claim unclear. There is no clear teaching of "the first coupling hole" in the Specification.

Claim 1 is vague and indefinite because "the first end" recited in line 6, renders the claim unclear. There is no clear teaching of "the first end" in the Specification.

Claim 1 is vague and indefinite because "second interlocking means, having a first end" recited in line 7, renders the claim unclear.

Claim 1 is vague and indefinite because "the second coupling hole" recited in line 8, renders the claim unclear.

Claim 1 is vague and indefinite because "the second coupling hole by the first end and by having a second end to be caught on said first interlocking means" recited in lines 8-9, renders the claim unclear.

Claim 5 is vague and indefinite because "a first flange, formed on a second end" renders the claim unclear. There is no clear teaching of "a second end".

Claim 5 is vague and indefinite because "a plurality of first protrusions, formed on the first end" renders the claim unclear. There is no clear teaching of "the first end".

Claim 6 is vague and indefinite because "said first interlocking means further comprising at least one stop formed between said first flange and said plurality of first protrusions" renders the claim unclear. There is no clear teaching of "one stop formed between said first flange and said plurality of first protrusions". Further, does "one stop" mean "slotted stop" or something different? See claim 9 for the same informality for "the second interlocking means".

Claim 7 is vague and indefinite because "a plurality of second protrusions, formed on the first end" renders the claim unclear.

Claim 7 is vague and indefinite because "a second flange, formed on the second end" renders the claim unclear.

Claim 8 is vague and indefinite because "a plurality of supports, formed at the second end" renders the claim unclear.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-9, as best understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Campagnolo et al. (U.S. Patent No. 5,673,714).

Campagnolo et al. teach a nozzle assembly of a dishwasher comprising a main nozzle (1) having a first coupling hole, and an auxiliary nozzle (8) having a second coupling hole for coupling with the main nozzle (see Fig. 2). The apparatus includes a first interlocking means (6) (see Fig. 2) for coupling with the main nozzle at the first coupling hole by being caught in the first coupling hole, and a second interlocking means (8) (see Fig. 2) for coupling with the auxiliary nozzle at the second coupling hole by being caught in the second coupling hole. The first and second interlocking means are each provided with a passage allowing water flow between the main and auxiliary nozzles (9, 13). The first and second interlocking means are rotatably assembled with respect to each other (see fig. 1). The first interlocking means comprises a first flange (see Fig. 2) abutted on the main nozzle at the coupling hole, and a plurality of protrusions (14) (see fig. 2) formed at the other end. The first interlocking means comprises at least one stop fitted into the coupling hole of the main nozzle to prevent from rotating (6) (see Fig. 2). The second interlocking means (8) (see Fig. 2) comprises

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a plurality of protrusions and/or flanges, and a bearing shaft (sidewall of 8) for rotatably receiving the first interlocking means (see Fig. 2).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Michael et al., Mercer, Lim et al., Chung, Johnson et al., Young, Jr. Et al., Gurubatham, and Nomura et al. are cited of general interest.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thach H Bui whose telephone number is 703-305-0063. The examiner can normally be reached on Monday-Friday, 7:30-4 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Mar can be reached on 703-308-2087. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



T.B.

09/19/2004